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9P16394

PATENTS
Docket No. NaPro-3 CON

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : May et al.
Application No.: 10/082,476 Confirmation No.: 4408
Filed : February 20, 2002
For : CELL-FREE ASSAY FOR PLANT GENE
TARGETING AND CONVERSION
Group Art Unit : 1634

Hon. Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER FOR
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

Transmitted herewith is a Supplemental Information Disclosure Statement in the above-identified application. This Statement is submitted more than three months from the application filing date and after the mailing date of the first Office Action on the merits, but before the mailing date of either a final action under 37 C.F.R. § 1.113, or a notice of allowance under 37 C.F.R. § 1.311.

In accordance with 37 C.F.R. § 1.97, this Statement is accompanied by:

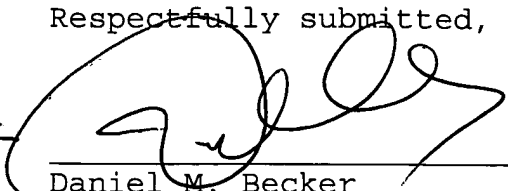
[] a certification as required under 37 C.F.R. § 1.97(e)(1) or § 1.97(e)(2);

[X] the fee as set forth in 37 C.F.R. § 1.17(p).

The Director is hereby authorized to charge payment of any additional fees required in connection with the accompanying Information Disclosure Statement, or credit any overpayment, to Deposit Account No. 06-1075. A duplicate copy of this letter is transmitted herewith.

Respectfully submitted,

18 FEB 2004


Daniel M. Becker
Registration No. 38,376
Attorney for Applicants

FISH & NEAVE
Customer No. 1473
1251 Avenue of the Americas
New York, New York 10020-1104
Tel.: (650) 617-4000

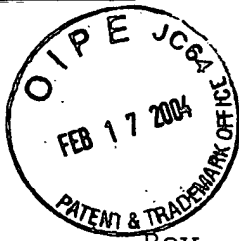
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Rev. 04/01

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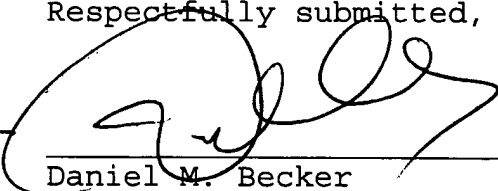
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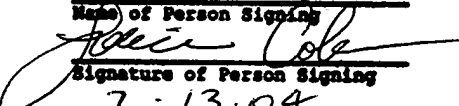

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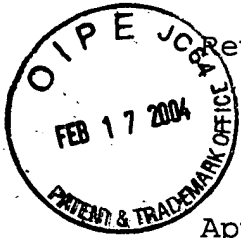
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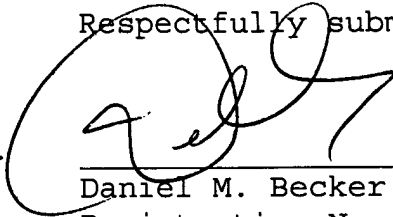
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date;
- ☒ more than three months from the application
filing date but before the mailing date of
the first Office Action on the merits.

In accordance with 37 C.F.R. § 1.97, submission
of this Statement requires no fee. However, if for any
reason a fee is due, the Director is hereby authorized to
charge payment of any fees required in connection with this
Information Disclosure Statement to Deposit Account

No. 06-1075. A duplicate copy of this letter is transmitted herewith.

Respectfully submitted,

12 FEB 2004



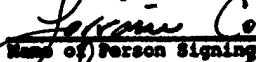
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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98,
applicants hereby make the following documents of record in
the above identified application:*

U.S. Patents

6,271,360	08/07/01	Metz
6,136,601	10/24/00	Meyer
6,046,380	04/04/00	Clark
6,010,907	01/04/00	Kmiec et al.
6,004,804	12/21/99	Kumar
5,955,363	09/21/99	Lewis
5,912,340	06/15/99	Kutyavin
5,905,185	05/18/99	Garner

* Applicants reserve the right to challenge the status
of any of the cited documents as prior art.

5,801,154	09/01/98	Baracchini
5,731,181	03/24/98	Kmiec
5,565,350	10/15/96	Kmiec
5,422,251	06/06/95	Fresco
5,312,910	05/17/94	Kishore et al.
5,188,642	02/23/93	Shah et al.
4,459,355	07/10/84	Cello et al.
US 2003/0217377	11/20/03	Kmiec et al.
US 2003/0163849	08/08/03	May et al.
US 2003/0051270	03/13/03	Kmiec et al.
US 2002/0119570	08/29/02	Yoon

Foreign Patents

WO 02/26967	04/04/02	PCT
WO 01/92512	12/06/01	PCT
WO 01/87914	11/22/01	PCT
WO 01/73002	10/04/01	PCT
WO 01/25478	03/12/01	PCT
WO 01/24615	04/12/01	PCT
WO 01/15740	03/08/01	PCT
WO 01/14531	03/01/01	PCT
WO 00/66604	11/09/00	PCT
WO 00/56748	09/28/00	PCT
WO 99/58723	11/18/99	PCT
WO 99/58702	11/18/99	PCT
WO 99/25853	05/27/99	PCT
WO 99/14226	03/25/99	PCT
2 326 163	12/16/98	GB

Other Documents

Alexeev et al., "Stable and inheritable changes in genotype and phenotype of albino melanocytes induced by an RNA-DNA oligonucleotide," *Nature Biotech.* 16:1343-1346 (1998)

Beetham et al., "A Tool for Functional Plant Genomics: Chimeric RNA/DNA Oligonucleotides Cause *in vivo* Gene-specific Mutations", *Proc. Natl. Acad. Sci. USA*, 96:8774-8778 (1999)

Birnboim et al., "A rapid alkaline extraction procedure for screening recombinant plasmid DNA", *Nucleic Acids Res.* 7:1513-1523 (1979)

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Campbell et al., "Homologous recombination involving small single-stranded oligonucleotides in human cells," *New Biologist* 1:223-227 (1989)

Chan et al., "Targeted correction of an episomal gene in mammalian cells by a short DNA fragment tethered to a triplex-forming oligonucleotide," *J. Biol. Chem.* 274:11541-11548 (1999)

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- Umar et al., "Defective Mismatch Repair in Extracts of Colorectal and Endometrial Cancer Cell lines Exhibiting Microsatellite Instability", *J. Biol. Chem* 269:14367-14370 (1994)
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Yamamoto et al., "Strand-specificity in the transformation of yeast with synthetic oligonucleotides," *Genetics* 131:811-819 (1992)

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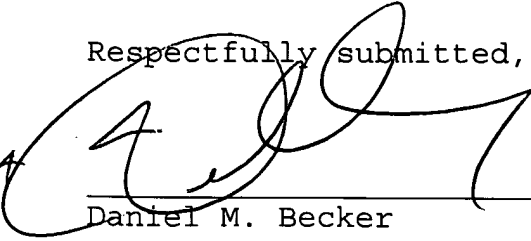
Copies of the aforementioned documents, which are listed on the accompanying Form PTO-1449, are enclosed herewith.

It is respectfully requested that these documents be (1) fully considered by the Patent and Trademark Office during the examination of this application; and (2) printed on any patent that may issue on this application. Applicants request that a copy of Form PTO-1449, as considered and initialed by the Examiner, be returned with the next communication.

An early and favorable action is respectfully requested.

Respectfully submitted,

12 FEB 2004

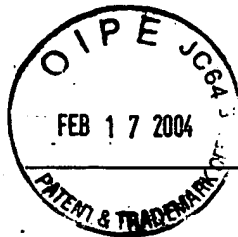

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FORM PTO-1449

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	US 2003/0051270	03/13/03	Kmiec et al.			
	US 2002/0119570	08/29/02	Yoon			

FOREIGN PATENT DOCUMENTS

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						YES	NO
	WO 02/26967	04/04/02	PCT				
	WO 01/92512	12/06/01	PCT				
	WO 01/87914	11/22/01	PCT				
	WO 01/73002	10/04/01	PCT				
	WO 01/25478	03/12/01	PCT				
	WO 01/24615	04/12/01	PCT				

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
NaPro-3 CONSERIAL NO.
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STATEMENT BY APPLICANTAPPLICANT
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	WO 01/14531	03/01/01	PCT				
	WO 00/66604	11/09/00	PCT				
	WO 00/56748	09/28/00	PCT				
	WO 99/58723	11/18/99	PCT				
	WO 99/58702	11/18/99	PCT				
	WO 99/25853	05/27/99	PCT				
	WO 99/14226	03/25/99	PCT				
	2 326 163	12/16/98	GB				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
	Alexeev et al., "Stable and inheritable changes in genotype and phenotype of albino melanocytes induced by an RNA-DNA oligonucleotide," <i>Nature Biotech.</i> 16:1343-1346 (1998)
	Beetham et al., "A Tool for Functional Plant Genomics: Chimeric RNA/DNA Oligonucleotides Cause <i>in vivo</i> Gene-specific Mutations", <i>Proc. Natl. Acad. Sci. USA</i> , 96:8774-8778 (1999)
	Birnboim et al., "A rapid alkaline extraction procedure for screening recombinant plasmid DNA", <i>Nucleic Acids Res.</i> 7:1513-1523 (1979)
	Britt, "DNA damage and repair in plants," <i>Ann. Rev. Plant, Physiol Plant Mol. Biol.</i> 45:75-100 (1996)
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	Campbell et al., "Homologous recombination involving small single-stranded oligonucleotides in human cells," <i>New Biologist</i> 1:223-227 (1989)
	Chan et al., "Targeted correction of an episomal gene in mammalian cells by a short DNA fragment tethered to a triplex-forming oligonucleotide," <i>J. Biol. Chem.</i> 274:11541-11548 (1999)
	Chan et al., "Triplex DNA: fundamentals, advances, and potential applications for gene therapy," <i>J. Mol. Med.</i> 75:267-282 (1997)
	Choi et al., "Transgenic mice containing a human heavy chain immunoglobulin gene fragment cloned in a yeast artificial chromosome", <i>Nat. Genet</i> 4:117-223 (1993)
	Cole-Strauss et al., "Targeted gene repair directed by the chimeric RNA/DNA oligonucleotide in a mammalian cell-free extract," <i>Nucl. Acids Res.</i> 27:1323-1330 (1999)

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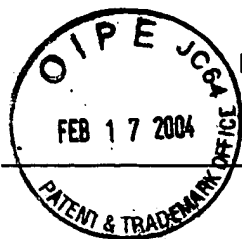
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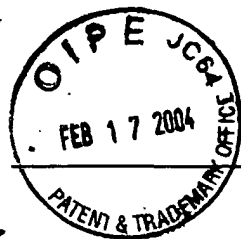
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